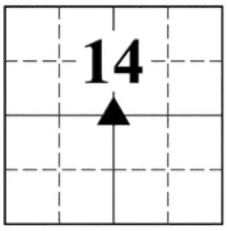
GREENE COUNTY CORNER PERPETUATION RECORD

Corner ID: **Center_L19**

Center Quarter Corner

Section 14- T07N-R03W, 2nd P.M.

Center Township, Greene County, Indiana



PERPETUATION RECORD

MONUMENT: Describe monument set or found (Include material type, scribing, distance above/below grade, dimensions.)
A pyramid shaped stone with a 4"x4" top inscribed with a "+" and a 9"x6" BASE was found 6" above grade

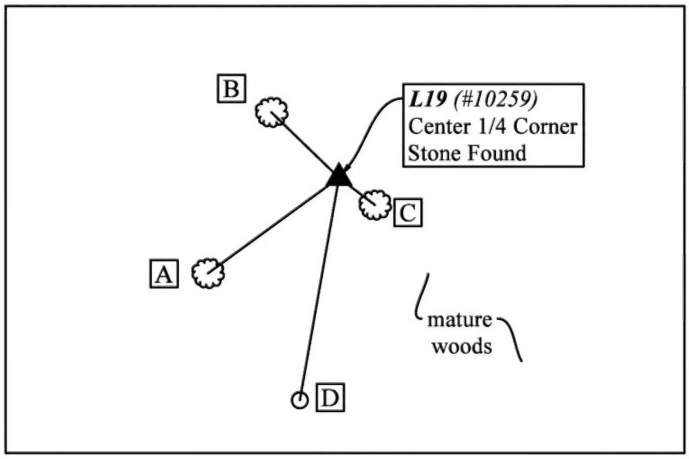
OTHER EVIDENCE: Describe corner location relative to nearby features and how to reach the corner location – note fences, roads, timber cutting lines, mow lines, clearings, plantings, streams, topo changes, etc.
From the house at 1496 Shea Estates, travel east through the woods for approximately 300 feet. The stone is on a wooded east-facing slope. We did not set a Greene County Survey Marker sign at this corner.

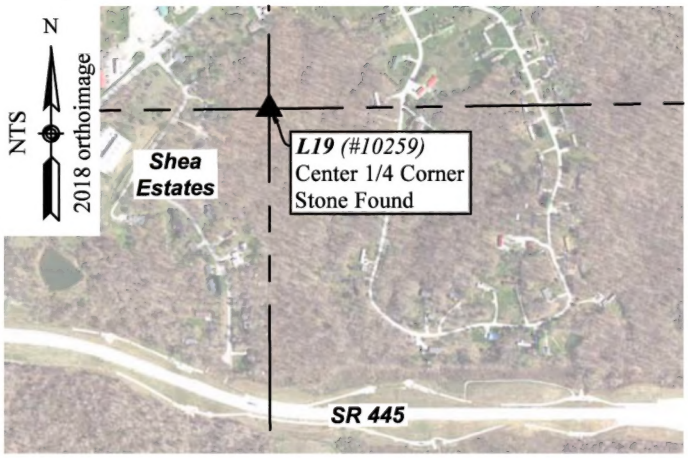
GEODETIC COORDINATES: (OSM #10259)
Northing: 334499.81, Easting: 898257.61 Datum: InGCS Greene Zone, US Survey Feet
Northing: 1382507.06, Easting: 3058868.18 Datum: NAD83(2011) IN West Zone, US Survey Feet

WITNESS MONUMENT TIES: Describe at least three witness objects.

ID	Bearing	Distance	Description
A	S 54° W	24.5'	Mag nail found 4" above grade on the north side of a 7" dbh maple (new hack mark made over existing nail in 2022)
B	N 46° W	14.2	Mag nail found 10" above grade on the east side of a 15" dbh black oak (new hack mark made over existing nail in 2022)
C	S 53° E	6.8'	2" mag nail and 1-1/4" fender washer set in hack 8" above grade on the southwest side of a 15" dbh black oak
D	S 10° W	34.1'	U-post and t-post

MONUMENT LOCATION SKETCH: Attach a sketch or aerial image.

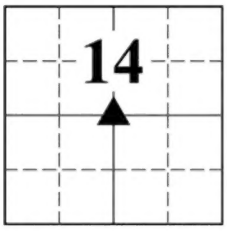




CORNER REPORT

THEORY OF LOCATION: Describe the theory of location for acceptance of this monument.
The original government land surveyors monumented the section corners and quarter corners of each section with wooden posts in the early 1800s. The task of replacing the original wooden posts with permanent objects such as stones, and setting permanent objects at the center of section and other interior aliquot corners was left to the county surveyors (in the 1800s and early 1900s) and later to local surveyors in private practice.

Lee Utt set a 3/4" o.d. iron pipe at this corner in 1986 as shown on the plat of Shea Estates. The methodology employed by Utt to determine the location of the center of section is unknown. The pipe was accepted by James, Tibbett, and Badger, none of whom mentioned the stone on their surveys. In 2018, Deckard held the marked stone, the origin of



which is unknown. In 2022, we found the iron pipe lying on the ground near the location shown on the 2011 Badger survey (calculated at S 22°14'45" W 13.14 feet from the stone). We did not reset the pipe, which was bent. Instead, we laid it on the ground next to the stone.

Our task when performing a perpetuation survey is to follow in the footsteps of the original surveyor. Although we did not find a record of a historic legal survey that specifically described this stone, we do have a record that Greene County Surveyor Francis M. Parker measured to this corner in 1883. The found stone is consistent with stones set by the various Greene County Surveyors in the mid-1800s. We accepted the stone as the best evidence of the corner as established by the first surveyors to divide the section.

EXISTING SURVEY HISTORY: Include as much detail and history of the corner as known at the time of perpetuation.

ORIGINAL GOVERNMENT SURVEY:
The center of Section 14 was not established by the original government surveyor.

SUBSEQUENT CORNER RESTORATION:
Date Surveyed: February, 2011 By: Matthew Badger
Where filed or recorded: 2011-0980
Monument: 3/4" OD IP Bent North

Bearing Trees or Witness Ties:	Azimuth	Distance
Mag in E. side of 15" b.oak *(found 2022)*	350°	23.3'
Mag 4" above grade in N. side of 8" maple *(found 2022)*	250°	15.6'
Center of "U" post with No Trespassing sign, next to T post *(found 2022)*	170°	22.1'

OTHER SURVEY HISTORY: Include details such as surveyor name, date, recording info, monument description, etc.

Date	Surveyor	Description	File Location
6/12/1849	Cressy, F.B.	Legal Survey in Section 14 for Miller *Cressy measured to the E/W center of section line*	LSB 1, pg 209
11/26/1883	Parker, Francis M	Legal Survey in Section 14 *Parker measured to the center of section*	LSB 4, pg 28
2/4/1986	Utt, Lee	Shea Estates First Addition in Section 14 *Apparent origin of iron pipe*	PL2-103
8/8/2006	James, Marty J.	Survey in Section 14 for Divine *Accepted iron pipe per the plat of Shea Estates*	2006-6204
3/11/2011	Badger, Matthew	I69 Section 4 Segment 6 Route Survey *Accepted iron pipe with 16 feet of north/south uncertainty and 7 feet of east/west uncertainty.*	2011-0980
9/29/2016	Tibbett, James C.	Survey in Section 14 for Divine *Accepted iron pipe per Shea Estates and Badger I69 survey*	2017-0627
3/28/2018	Deckard, Eric Lee	Survey in Section 14 for Marling Estate *Accepted stone of unknown origin with no reference to pipe*	2018-1556

UNCERTAINTIES IN THE CORNER LOCATION DUE TO:

- Variances in the Monumentation: 13.1 feet
- Discrepancies in the Documents: 13.1 feet
- Inconsistencies in the lines of Occupation: None noted.
- Theoretical Uncertainty (Random Errors in Measurement): The Relative Positional Accuracy of this survey is within the specifications for an Indiana Rural Survey (0.26 feet plus 200 ppm) as defined in IAC 865.

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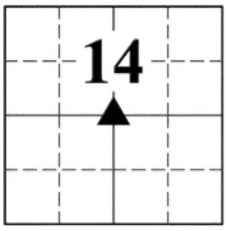

PHOTO IDENTIFIED: Photograph close up photo of monument and a vicinity photo of the monument.

Photo Date: 1/3/2022

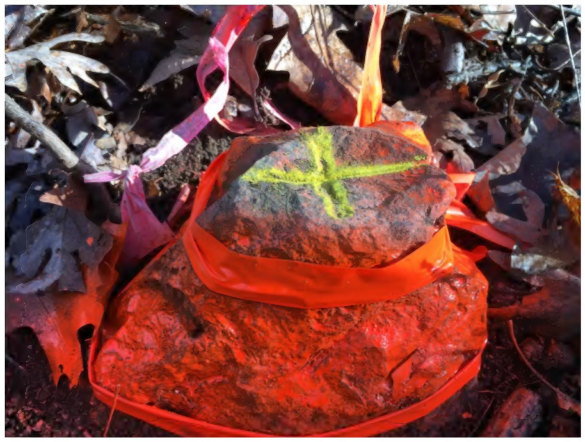

Photo Orientation & Description: Stone at L19

Photo Orientation & Description: Looking east at L19

FIELD PERSONNEL:

Field Date: 1/3/2022 By: Rachel Oser and Phillip Oser Project : Oser Surveying & Mapping LLC Job# 10226A Corner Perpetuation Survey for Center Township Sections 14, 15, 22 & 23, Township 7 North, Range 3 West

Notes: This document is not complete without the associated plat and report of survey dated January 25, 2022.

BASIS OF GEODETIC COORDINATES: The basis of bearings is the Indiana Geospatial Coordinate System's (InGCS) "Greene" zone NAD 83 (2011) epoch 2010.00, NAVD 88, geoid18_conus.db3, reported in US Survey Feet and decimal parts thereof. The zone was developed to minimize the differences between ground measured horizontal distances and the corresponding grid coordinate (map) distances within the county. Coordinates are also reported in Grid North System NAD83(2011)/Indiana West NAVD 88, Epoch 2010.0000, geoid18_conus.db3, US Survey Feet.

Coordinates were established using a Javad GNSS System (Triumph LS rover and Triumph 3 base) and the InCORS Real-Time Network. Distances to witness ties were measured with a 100-foot steel tape. Bearings to witness ties were collected with the internal magnetic compass of the Javad Triumph LS and were automatically adjusted to InGCS Greene Zone Grid North. Bearings to witness ties are approximately shown hereon for reference. Priority should be given to provided distances over bearings.

CERTIFICATION:

Rachel Oser
Indiana Professional Surveyor 21100022
Oser Surveying & Mapping LLC
4632 E Rocky Road, Bloomfield, IN 47424
(812) 320-2694 • Rachel@OserSurveying.com

Rachel Oser Date: 1/25/2022